FORM PTO-1449 (Rev. 2-32)

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## U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SERIAL NO. A3-172 US

APPLICANT

Hirata et al. FILING DATE

GROUP

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

			U.S.	PATENT DOCUMENTS	<u> </u>		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Af-	AA	5,224,866	07/06/1993	Nakamura et al.	439	81	
	AB	5,310,357	05/10/1994	Olson	439	346	
	AC	5,395,250	03/07/1995	Englert, Jr. et al.	439	65	
	AD	5,727,956	03/17/1998	Mitra et al.	439	74	
	AE	5,971,809	10/26/1999	Но	439	660	
	AF	5,975,916	11/02/1999	Okura	439	74	
	AG	6,338,630	01/15/2002	Dong	439	74	
	AH	6,540,561	04/01/2003	Masumoto	439	660	
AG.	ΑI	5,181,855	01/26/1993	Mosquera et al.	439	74	
	AJ						
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	AL						
	AM						

		DOCUMENT					TRANS	LATION
		NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
$\mathcal{A}_{\mathcal{C}}$	AP	2000-260509	09/22/2000	Japan	H 01 R	12/16		
	AQ			·				
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	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent	t Pages, Etc.)
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Sheet 1 of 1

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FOREIGN PATENT DOCUMENTS

		DOCUMENT					TRANSLATION	
		NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	МО
AG	AP	2000-260509	09/22/2000	Japan	H 01 R	12/16		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Alex Gilman 03/17/04